

0785

COM ATSDR PBAF SIGL TOPE CNSL SCOM SPFD
4/1/88 4/2/88 4/7/88 4/11/88 with connections 4/14/88 4/17/88 4/21/88

We have also reviewed the existing data on the Elliott Shooting Park and relevant literature regarding the presence of arsenic in lead shot. The available data and literature indicate that the shooting park and lead shot are probably not the source of the above background concentrations of arsenic reported in these samples. A more probable source of the arsenic would be past uses of arsenic compounds in the area as pesticides or herbicides. In the past arsenic compounds have been used for weed control, on fruit trees and to treat wood fence posts. Currently there are no arsenic compounds approved for use as herbicides or pesticides by EPA. Any pesticide-related concentrations of arsenic in environmental samples would therefore probably be the result of past applications. Arsenic is environmentally persistent and may be found in the environment many years after it has last been used.

Thank you for your cooperation in allowing EPA to collect samples from your property. In summary, EPA does not feel that the reported levels of arsenic or lead found in the offsite soil samples pose an unacceptable threat to health or the environment. However, if you have any additional questions please contact me at 236-2856. If you have any questions about health-related matters, you may also contact the ATSDR Regional Health Advisors, Ed Skowronski or Dave Parker, at 236-2856.

Sincerely yours,

David V. Crawford
Remedial Project Manager
Waste Management Division
Superfund Compliance

encl analytical data on NOP5B

cc William Dexter, Vice-President, Boatman's Raytown Bank
Mary Erio, Burns & McDonnell
Keith Schardein, Missouri Department of Natural Resources
Gary Lynn, Chairman Raytown Zoning & Planning Commission
Gene Yoekum, Director Raytown Public Works

bcc Gerhardt Braeckel, CNSL
Rowena Michaels, PBAF
Steve Wurtz, PBAF
Ron Ritter, CIGL
Paul Doherty, ENSV SINV
Jerry McKinney, ENSV LABO
Russ Krohn, Tetra Tech
Jill Biesma, Jacobs Engineering
Ed Skowronski, ATSDR
Larry Sheridan, WATR



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY KANSAS 66115

Dr. Craig Smith

RECEIVED

MAR 14 1988

Date 3/11/88

SUPERFUND BRANCH

MEMORANDUM

SUBJECT Data Transmittal for Activity # NOP5B
Site Description Elliott Shooting Park

FROM Robert D Kleopfer, Ph D
Chief, Laboratory Branch, ENSV

TO Robert L Morby
Chief, Superfund Branch WSTM

ATTN _____

Attached is the data transmittal for the above referenced site
This should be considered a Partial or ☒ Complete data transmittal
(completes transmittal of _____) If you have any questions
or comments, please contact Dee Simmons at 236-3881

Attachments

cc Data File

EPA Region VII

Data Qualification Codes

- U - Compound was not detected
- M - Compound was qualitatively identified, however, quantitative value is less than contract required detection limits (CLP data), or value is less than limit of quantitation (EPA data)
- J - Compound was qualitatively identified, however, compound failed to meet all QA criteria and, therefore, is only an estimated value
- I - Analysis attempted, but no results can be reported
- O - Sample lost or not analyzed
- L - Value known to be higher than value reported
- NA I - Sample was not analyzed for this compound

Codes for Flash Point Data

- L - The sample did not ignite or "flash " This is the highest temperature at which the sample was tested It is possible that the material may be ignitable at higher temperatures
- K - The sample did ignite or "flash" at the lowest temperature tested This is usually the ambient temperature at the time of the test It is possible that the material may be ignitable at even lower temperatures

FIELD SHEET
U S ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV 25 FUNSTON RD KANSAS CITY, KS 66115

Site Name Elliot Shooting Park
Location Raytown MO

Site Number
Site Code

Collected YR 88 MO 01 Day 20 Time 1413 Leader Nobile

Sample Number NOP5B002

SMO # _____

Sample Media (circle one)

SOIL DUST RINSATE SEDIMENT WATER OTHER _____

Sample Split (circle one) YES NO

Sample Container Tag Color Preservative Analysis Requested

1-8 oz jar

Total Lead

Depth 0-2" Pan # _____ Aliquots 10

Samplers Nobile

COMMENTS OF FIELD PERSONNEL

Site Description 15 feet inside back fence

Address 7514 Maple Lane

Due to small size of yard sample pattern was
set out in L shape

FIELD SHEET
U S ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV 25 FUNSTON RD KANSAS CITY, KS 66115

Site Name Elliot Shooting Park
Location Raytown MO

Site Number
Site Code

Collected YR 88 MO 01 Day 20 Time 1340 Leader Nobile

Sample Number NOP5B003

SMO # _____

Sample Media (circle one)

SOIL, DUST, RINSATE, SEDIMENT WATER, OTHER _____

Sample Split (circle one) YES NO

Sample Container Tag Color Preservative Analysis Requested

1-8 oz jar

Total Lead

Depth 0 2" Pan # _____ Aliquots 10

Samplers Nobile

COMMENTS OF FIELD PERSONNEL

Site Description Sample taken 15 feet inside the back fence

Address 7525 Arlington

FIELD SHEET
U S ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV 25 FUNSTON RD KANSAS CITY, KS 66115

Site Name Elliot Shooting Park
Location Raytown MO

Site Number
Site Code

Collected YR 88 MO 01 Day 20 Time 1305 Leader Nobile

Sample Number NOP5B004

SMO # _____

Sample Media (circle one)

SOIL DUST, RINSATE, SEDIMENT, WATER, OTHER _____

Sample Split (circle one) YES NO

Sample Container Tag Color Preservative Analysis Requested

1-8 oz jar

Total Lead

Depth 0-2" Pan # _____ Aliquots 10

Samplers Nobile

COMMENTS OF FIELD PERSONNEL

Site Description Samples Taken along back fence line
Address 7507 Cresent Drive

FIELD SHEET
U S ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV 25 FUNSTON RD KANSAS CITY, KS 66115

Site Name Elliot Shooting Park
Location Raytown MO

Site Number
Site Code

Collected YR 88 MO 01 Day 20 Time 1252 Leader Nobile

Sample Number NOP5B005

SMO # _____

Sample Media (circle one)

SOIL DUST, RINSATE, SEDIMENT, WATER, OTHER _____

Sample Split (circle one) YES

NO

Sample Container Tag Color Preservative Analysis Requested

1-8 oz jar

Total Lead

Depth 0-2" Pan # _____ Aliquots 10

Samplers Nobile

COMMENTS OF FIELD PERSONNEL

Site Description Sample taken along back fence line

Address 7509 Crescent Drive

FIELD SHEET
U S ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV 25 FUNSTON RD KANSAS CITY, KS 66115

Site Name Elliot Shooting Park
Location Raytown MO

Site Number
Site Code

Collected YR 88 MO 01 Day 20 Time 1252 Leader Nobile

Sample Number NOP5B006D

SMO # _____

Sample Media (circle one)

SOIL, DUST, RINSATE SEDIMENT, WATER, OTHER _____

Sample Split (circle one) YES NO

Sample Container Tag Color Preservative Analysis Requested

1-8 oz jar

Total Lead

Depth 0-2" Pan # _____ Aliquots 10

Samplers Nobile

COMMENTS OF FIELD PERSONNEL

Site Description

Taken along back fence line
Duplicate of NOP5B005

FIELD SHEET
U S ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV 25 FUNSTON RD KANSAS CITY, KS 66115

Site Name Elliot Shooting Park
Location Raytown MO

Site Number
Site Code

Collected YR 88 MO 01 Day 20 Time 1357 Leader Nobile

Sample Number NOP5B007

SMO # _____

Sample Media (circle one)

SOIL, DUST, RINSATE, SEDIMENT WATER OTHER _____

Sample Split (circle one) YES NO

Sample Container Tag Color Preservative Analysis Requested

1-8 oz jar

Total Lead

Depth 0-2" Pan # _____ Aliquots 10

Samplers Nobile

COMMENTS OF FIELD PERSONNEL

Site Description 15 ft inside Back fence

Address 7527 Crescent Court

FIELD SHEET
U S ENVIRONMENTAL PROTECTION AGENCY, REGION VII
ENVIRONMENTAL SERVICES DIV 25 FUNSTON RD KANSAS CITY, KS 66115

Site Name Elliot Shooting Park
Location Raytown MO

Site Number
Site Code

Collected YR 88 MO 01 Day 20 Time 1500 Leader Nobile

Sample Number NOP5B008

SMO # _____

Sample Media (circle one)

SOIL DUST RINSATE, SEDIMENT WATER, OTHER _____

Sample Split (circle one) YES NO

Sample Container Tag Color Preservative Analysis Requested

1-8 oz jar

Total Lead

Depth 0-2" Pan # _____ Aliquots ~~75~~ DWS

Samplers Nobile

COMMENTS OF FIELD PERSONNEL

Site Description

Background sample
(on slope below cemetery)
Sample collected along fence

ANALYSIS TYPE TOTAL METALS

TITLE ELLIOTTS SHOOTING FARM

LAP EPA REGION VII

SAMPLE REF 64m ANALYST/ENTRY

GLM REVIEWER'

64m DATA FILE GM1

MATRIX. SEDIMENT

METHOD 2001S77

UNITS MG/KG

CASE

DATE 03/08/88

		NDF5B002	NDF5B003	NDF5B004	NDF5B005
SILVER	MG/KG	2 0U	2 0U	2 0U	2 0U
ALUMINUM	MG/KG	13000 0	11000 0	11500 0	12000 0
ARSENIC	MG/KG	20 0U	20 0U	22 0	190 0
BARIUM	MG/KG	180 0	190 0	213 0	190 0
BERYLLIUM	MG/KG	1 0U	1 0U	1 0U	1 0U
CADMIUM	MG/KG	1 0U	1 0U	1 0U	1 0U
COBALT	MG/KG	9 0	10 0	9 3	10 0
CHROMIUM	MG/KG	35 0	13 0	12 0	13 0
COPPER	MG/KG	18 0	15 0	18 0	14 0
IRON	MG/KG	17000 0	15000 0	16000 0	16000 0
MANGANESE	MG/KG	770 0	840 0	740 0	910 0
MOLYBDENUM	MG/KG	9 8	7 9	8 4	8 8
NICKEL	MG/KG	17 0	16 0	18 0	19 0
LEAD	MG/KG	36 0	32 0	46 0	88 0
ANTIMONY	MG/KG	10 0U	10 0U	10 0U	10 0U
SELENIUM	MG/KG	20 0U	20 0U	20 0U	20 0U
TITANIUM	MG/KG	N/A	N/A	N/A	N/A
THALLIUM	MG/KG	60 0U	60 0U	60 0U	60 0U
VANADIUM	MG/KG	31 0	29 0	29 0	28 0
ZINC	MG/KG	86 0	140 0	93 0	110 0
CALCIUM	MG/KG	4700 0	4900 0	4600 0	3600 0
MAGNESIUM	MG/KG	2700 0	2200 0	2400 0	2500 0
SODIUM	MG/KG	750 0	760 0	640 0	680 0
POTASSIUM	MG/KG	1600 0	1600 0	1400 0	1500 0

ANALYSIS TYPE: TOTAL METALS

TITLE ELLIOTTS SHOOTING PARK

LAB EPA REGION VII

SAMPLE FREF 667 ANALYST/ENTRY

MATRIX SEDIMENT

METHOD 2001S77

GLM REVIEWER

667 DATA FILE GM1

UNITS MG/KG

CASE

DATE 03/08/88

		NOF5B006D	NOF5B007	NOF5B008
SILVER	MG/KG	2 0U	2 0U	2 0U
ALUMINUM	MG/KG	13000 0	14000 0	10000 0
ARSENIC	MG/KG	230.0	100 0	20 0U
BAFIUM	MG/KG	170 0	200 0	240 0
PERYLLIUM	MG/KG	1 0U	1 0U	1 0U
CADMIUM	MG/KG	1 0U	1 0U	1 0U
COBALT	MG/KG	7 9	16 0	8 8
CHROMIUM	MG/KG	13 0	15 0	9 4
COFFEE	MG/KG	17 0	20 0	16 0
IRON	MG/KG	16000 0	18000 0	21000 0
MANGANESE	MG/KG	620 0	1200 0	1900 0
MOLYBDENUM	MG/KG	9 6	10 0	8 2
NICKEL	MG/KG	16 0	22 0	16 0
LEAD	MG/KG	100 0	34.0	30 0
ANTIMONY	MG/KG	10 0U	10 0U	10 0U
SELENIUM	MG/KG	20 0U	20 0U	20 0U
TITANIUM	MG/KG	N/A	N/A	N/A
THALLIUM	MG/KG	60 0U	60.0U	60 0U
VANADIUM	MG/KG	29 0	33 0	28 0
ZINC	MG/KG	120 0	97 0	130 0
CALCIUM	MG/KG	3800 0	4600 0	6300 0
MAGNESIUM	MG/KG	2500 0	2800 0	2000 0
SODIUM	MG/KG	710 0	730 0	850 0
POTASSIUM	MG/KG	1500 0	1600 0	970 0